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**Geethanjali College of Engineering and Technology (UGC Autonomous)**  
**Department of Electronics and Communication Engineering**  
**Consolidated Course End Survey analysis**  
**Academic Year: 2018-19 Semesters: I & II**

S.No	Course Code	Course	Section A	Section B	Section C	Section D	Section E	Overall
<b>II B.Tech I Semester</b>								
1.	16MA2103	Complex Variables	93.18	94.1	90.78	92.83	90.47	92.27
2.	16EC2101	Electronic Devices and Circuits	90.21	96.95	90.81	92.43	93.13	92.71
3.	16EC2102	Theory of Signals and Systems	89.08	88.41	86.87	84.05	90.91	87.86
4.	16EC2103	Switching Theory and Logic Design	89.27	88.33	88.33	89.14	89.14	88.84
5.	16EE2103	Electrical Circuits and Electrical Technology	89.4	94.4	90.2	66.5	87.1	85.52
6.	16EC21L1	Electronic Devices and Circuits Lab	89.4	83.8	86.7	89.1	92.1	88.22
7.	16EC21L2	Simulation lab-I	88.2	95.1	89.6	87.2	87.2	89.46
8.	16EE21L2	Electrical Engineering Lab	89.49	94.29	90.96	82.92	87.4	89.01
<b>II B.Tech II Semester</b>								
1.	16EC2201	Pulse, Digital and Switching Circuits	87.71	92.69	91.42	93.09	92.1	91.40
2.	16EC2202	Electronic Circuit Analysis	95.03	98.65	94.05	92.46	93.52	94.74
3.	16EC2203	Electromagnetic Theory and Transmission Lines	94.91	96.67	85.09	86.98	90.5	90.83
4.	16EC2204	Analog Communication	82.34	95.85	90.48	88.05	90.77	79.50
5.	16CH2201	Environmental Studies	89.26	90.17	93.44	86.56	90.14	89.91
6.	16EC22L1	Electronic Circuits and Pulse Circuits Lab	89.17	98.51	87.7	86.67	90.77	90.56
7.	16EC22L2	Analog Communication Lab	89	96.08	89.41	88.41	88.81	90.34
8.	16EC22L3	Simulation Lab-II	93.55	94.61	88.04	92.17	93.78	92.43
9.	16HS22L1	Gender Sensitization	94.81	89.56	94.14	91.78	94.82	93.02

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III B.Tech I Semester								
1.	16EC3101	Linear and Digital IC Applications	91.6	92.1	92.3	92	90.8	91.76
2.	16EC3102	Microprocessors and Microcontrollers	95.1	92.5	92.4	88.2	90.8	91.80
3.	16EC3103	Antennas and wave Propagation	87.2	92.1	90	90.4	87.2	89.38
4.	16MB3101	Management Science	93.79	90.55	85.68	92.87	92.67	91.11
5.	16MB3121	Intellectual Property Rights (OE-I)	92	83.71	85.39	85.85	95	88.39
6.	16EE3122	Industrial Safety and Hazards(OE-I)						0.00
7.	16CS3123	JAVA Programming(OE-I)	93.66	91.26	89.33	85.88	93	90.63
8.	16ME3125	Nano Materials and Technology(OE-I)	88.7	90.7		90.9	93	90.83
9.	16CE3126	Global Warming and Climate Change(OE-I)						0.00
10.	16EC3111	Microprocessors and Microcontrollers Lab	95.1	92.5	87.7	92	93.2	92.10
11.	16EC3112	IC Applications HDL Simulation Lab	89.6	89	88.4	89	92.3	89.66
12.	16EN3111	Advanced English Communication Skills Lab	95.89	95.64	90.13	92.96	95.43	94.01
13.	16MA31P1	Logical Reasoning	95.75	91.92	89.34	85.86	95.75	91.72
III B.Tech II Semester								
1.	16EC3201	Digital Signal processing	94.64	91.74	80.71	86.91	87.85	88.37
2.	16EC3202	Digital Communications	88.48	92.08	89.02	87.48	92.09	89.83
3.	16EC3203	Control Systems Engineering	89.29	94.5	90.83	90.04	94.04	91.74
4.	16EC3204	Electronic Instrumentation and Measurements (PE-I)	91.87	91.84		89.39	90.3	90.85
5.	16EC3205	Telecommunication Switching Systems and Networks(PE-I)			95.63			95.63
6.	16EC3206	Digital Systems Design(PE-I)			97.5		98.1	97.80
7.	16EC3207	Optical Communications(PE-II)			92.92		86.3	89.61
8.	16EC3208	Computer Architecture and Organization (PE-II)	98.07					98.07
9.	16CS3212	Computer Networks(PE-II)		92.7	78.73	86.81	88.21	86.61
10.	16EC3209	Digital Design through Verilog HDL (SC-I)	96.49	93.74				95.12
11.	16EC3210	VLSI Design(SC-I)	98.41	92.86	88.53	89.53	95.21	92.91
12.	16EC32L1	Digital Signal Processing Lab	95.29	90.12	81.95	70.25	72	81.92
13.	16EC32L2	Digital Design through Verilog HDL Lab	96.43	94.36				95.40
14.	16EC32L3	VLSI Lab	97.73	92.29	96.52	89.17	92.63	93.67
15.	16MB32P1	Human Values and Professional Ethics	94.76	92.98	85.76	89.36	94.03	91.38

  
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IV B. Tech I Semester							
	A70014	Management Science	91.58	92.65	87.75	91.34	90.83
2.	A70442	Microwave Engineering	91.96	96.83	96.98	92.08	94.46
3.	A70515	Computer Networks	92.98	96.56	92.87	90.49	93.23
4.	A70434	Cellular and Mobile Communications	76.11	85.29	91.45	87.19	85.01
5.	A70436	Digital Image Processing(Ele-I)		80.48	66.72	86.67	77.96
6.	A70443	Multimedia and Signal Coding(Ele-I)					0.00
7.	A70505	Object Oriented Programming through Java(Ele-I)	85.76	89.91	80.23	89.02	86.23
8.	A70447	Television Engineering (Ele-II)					0.00
9.	A70444	Optical Communications(Ele-II)					0.00
10.	A70440	Embedded System Design(Ele-II)	89.49	91.1	91.01	91.32	90.73
11.	A70086	Advanced Communication Skills Lab	93.15	92.96	92.97	90.92	92.50
12.	A70499	Microwave Engineering and Digital Communications Lab	92.56	94.22	91.67	91.76	92.55
IV B. Tech II Semester							
1.	A80452	Satellite Communications (Ele-III)	92.58	88.89	89.16	92.57	90.80
2.	A81102	Biomédical Instrumentation (Ele-III)					0.00
3.	A80527	Artificial Neural Networks (Ele-III)					0.00
4.	A80431	Telecommunication Switching Systems and Networks (Ele-IV)			91.26		91.26
5.	A80450	Radar Systems (Ele-IV)	91.3	89.39	85.63	91.21	89.38
6.	A80449	Network Security(Ele-IV)					0.00
7.	A80454	Wireless Communications and Networks (Ele-V)	90.62	89.54	87.87	90.84	89.72
8.	A80437	Digital Signal Processors and Architectures (Ele-V)					0.00
9.	A80451	RF Circuit Design (Ele-V)					0.00
10.	A80087	Industry Oriented Mini Project					
11.	A80089	Seminar					
12.	A80088	Major Project					
13.	A80090	Comprehensive Viva					

Note: Data in yellow colored fields are Not Applicable and hence not required for calculating ATTAINMENT LEVELS.

Prepared by: Mr. D Venkata Rami Reddy  
 DVR Reddy 19/9/19

Verified by: Dr. S Suryanarayana.  
 19/9/19.

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**Department of ECE, GCET**  
**Consolidated Course End Survey analysis**  
**AY 2019-20 First Semester**

S.No	Course Code	Course	Section A	Section B	Section C -	Section D	Section E	Overall
<b>II B.Tech I Semester</b>								
1.	18MA2101	Complex Variables	97.82	88.8	92.33	96.87	94.22	94.01
2.	18EC2101	Signals and Systems	84.25	84.35	88.33	94.69	84.71	87.27
3.	18EC2102	Digital Design	92.55	87.61	95.06	94.84	93.74	92.76
4.	18EC2103	Circuit Theory	92.15	90.12	90.55	89.6	89.22	90.33
5.	18EC2104	Electronic Circuit Analysis and Design	93.83	88.26	95.09	96.26	91.38	92.96
6.	18EC21L1	Digital Design Lab	94.22	96.27	96.32	99.04	92.82	95.73
7.	18EC21L2	Electronic Circuit Analysis and Design Lab	94.14	86.86	94.49	96.52	91.56	92.71
8.	18EC21L3	Signals and Systems Lab	86.28	85.27	84.25	96.52	90.22	88.51
9.	18CH2101	Environmental Science	94.89	90.19	92.46	87.55	94.58	91.93
<b>III B.Tech I Semester</b>								
1	16MB3101	Management Science	86.2	95.93	88.64	88.32	90.94	90.01
2	16EC3101	Linear and Digital ICs Applications	93.2	94.42	91.04	91.91	91.04	92.32
3	16EC3102	Microprocessors and Microcontrollers	85.83	94.04	88.75	88.4	95.91	90.59
4	16EC3103	Antennas and Wave Propagation	91.53	95.48	97.62	93.86	97.13	95.12
5	16CS3123	JAVA Programming	79.32	91.98		86.4	81.54	84.81
6	16ME3125	Nano Materials and Technology	91.33	96.8	95.23	94	92.91	94.05
7	16EN31L1	Advance Communication Skills Lab	88.3	93.2	90	90.5	91	90.60
8	16EC31L1	Microprocessors and Microcontrollers Lab	86.4	90.43	88.29	87.86	92.08	89.01
9	16EC31L2	ICA & HDL Simulation Lab	84.11	94.42	94.17	91.2	87.15	90.21
10	16MA3104	Logical Reasoning	87.59	95.84	92.14	89.3	89.92	90.96



**IV B.Tech I Semester**

1.	16EC4101	Microwave Engineering	91.39	95.27	93.44	90.14	96.23	93.29
2.	16EC4102	Cellular and Mobile Communications	96.1	93.36	90.14	90.8	90.14	92.11
3.	16EC4104	Satellite Communications	90.14	91	90.14	94.13	90.14	91.11
4.	16EC4105	Digital Image Processing	93.08	89.01		91.02		91.04
5.	16EC4106	Embedded Systems	94.05	96	78.74	91.81	95.45	91.21
6.	16CS4115	Andriod Application Development			93.66	91.8	95.1	93.52
7.	16MB4131	Supply Chain Management		95.5		92	94.77	94.09
8.	16CE4136	Building Technology	92.38		91.33			91.86
9.	16MB4141	Banking and Insurance	94.56	90.57	92.98		95.76	93.47
10.	16CS4142	Database Systems	94.94					94.94
11.	16CE4146	Green Buildings				94.44		94.44
12.	16EC41L1	Microwave Engineering & Digital Communications Lab	92.37	95.27	95.27	91.22	96.14	94.05
13.	16EC41L2	Embedded Systems Lab	94.88	95.2	80.65	94.21	95	91.99
14.	16CS41L3	Andriod Application Development Lab			93.66	91.8	95.1	93.52

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**Department of ECE, GCET**  
**Consolidated Course End Survey analysis**  
**AY 2019-20 Second Semester**

S.No	Course Code	Course	Overall percentage of attainment of COs
<b>II B.Tech II Semester</b>			
1	18MB2201	Management Fundamentals	82.63
2	18EC2201	Analog and Digital Communications	82.27
3	18EC2202	Probability Theory and Stochastic Processes	80.76
4	18EC2203	Linear Integrated Circuits	84.48
5	18EC2204	Electromagnetic Theory and Transmission Lines	81.46
6	18EC22L1	Analog Communications Lab	82.95
7	18EC22L2	Linear Integrated Circuits Lab	83.71
8	18EC22L3	Simulation Lab	81.85
9	18MC2201	Indian Constitution	79.81
<b>III B.Tech II Semester</b>			
1	16EC3201	Digital Signal Processing	80.58
2	16EC3202	Digital Communications	79.54
3	16EC3203	Control Systems Engineering	86.49
4	16EC3204	Electronic Instrumentation and Measurements (PE-I)	86.42
5	16EC3206	Digital System Design (PE-I)	93.00
6	16EC3207	Optical Communications(PE-II)	80.77
7	16EC3208	Computer Architecture and Organization(PE-II)	77.01
8	16EC3210	VLSI Design (SC-I)	81.17
9	16EC32L1	Digital Signal Processing Lab	84.64
10	16EC32L3	VLSI Lab	81.64
11	16MB32P1	Human Values and Professional Ethics	83.94
<b>IV B.Tech II Semester</b>			
1	16MB4201	Financial Analysis and Project Management	83.45
2	16EC4202	Radar Systems	85.91
3	16MB4251	Entrepreneurship	84.19
4	16EE4253	Renewable Energy Sources	85.84

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**IPACnet of IETE, CK**  
**Consolidated Course End Survey analysis**  
**AY 2020-21 First Semester**

S.No	Course Code	Course	Percentage of attainment of CO1	Percentage of attainment of CO2	Percentage of attainment of CO3	Percentage of attainment of CO4	Percentage of attainment of CO5	Percentage of attainment of CO6	Overall percentage of attainment of COs
<b>II B.Tech I Semester</b>									
1	18MA2101	Complex Variables	86.63	86.31	86.74	86.84	86.84		86.67
2	18EC2101	Signals and Systems	78.79	78.32	78.41	79.16	78.13		78.56
3	18EC2102	Digital Design	87.14	85.71	85.33	84.38	85.14	85.52	85.54
4	18EC2103	Circuit Theory	81.58	82.72	82.54	81.23	81.93		82.00
5	18EC2104	Electronic Circuit Analysis and Design	85.00	83.86	85.14	85.14	85.86		85.00
6	18EC21L1	Digital Design Lab	86.96	86.81	86.81	86.23	86.52		86.67
7	18EC21L2	Electronic Circuit Analysis and Design Lab	85.32	85.47	85.18	85.32	85.76		85.41
8	18EC21L3	Signals and Systems Lab	84.90	83.50	83.22	83.64	84.20		83.89
9	18CH2101	Environmental Science (MC)	85.07	85.62	84.79	84.93	85.48		85.18
<b>III B.Tech I Semester</b>									
1	18CS3101	Operating Systems	77.81	79.38	78.13	78.75	77.50		78.31
2	18EC3101	Microprocessors and Microcontrollers	80.92	79.85	77.08	78.92	77.38	76.77	78.83
3	18EC3102	Antennas and Wave Propagation	82.39	82.74	81.88	80.34	81.71		81.81
4	18EC3103	Control Systems Engineering	84.20	83.70	83.70	81.18	82.35		83.03
5	18EC3105	Computer Organization (PE-I)	78.67	77.33	76.00	76.00			77.00
6	18EC3106	Electronic Measurements and Instrumentation (PE-I)	84.14	84.14	83.45	83.45	84.14		83.86
7	18CS3109	Scripting Languages (PE-I)	86.67	80.00	80.00	80.00	80.00		81.33
8	18EN31L1	Advanced English Communication Skills Lab	85.45	86.36	85.91	84.55	85.45		85.55
9	18EC31L1	Microprocessors and Microcontrollers Lab	83.48	83.48	83.48	82.17	82.61		83.04
10	18EC31L2	Digital Communications Lab	82.86	81.43	81.43	80.95			81.67
11	18MB3103	Professional Ethics(MC)	83.64	81.82					82.73

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Department of E.E, CCEs  
Consolidated Course End Survey analysis  
AY 2020-21 First Semester

S.No	Course Code	Course	Percentage of attainment of CO1	Percentage of attainment of CO2	Percentage of attainment of CO3	Percentage of attainment of CO4	Percentage of attainment of CO5	Percentage of attainment of CO6	Overall percentage of attainment of COs
<b>IV B.Tech I Semester</b>									
1	16EC4101	Microwave Engineering	84.76	85.45	85.59	84.48	83.78		84.81
2	16EC4102	Cellular and Mobile Communications	82.64	82.33	82.02	81.40	82.33		82.14
3	16EC4104	Satellite Communications (PE-III)	83.66	84.30	84.30	83.66	83.23		83.83
4	16EC4105	Digital Image Processing (PE-III)	84.27	84.53	85.60	84.53	82.67		84.32
5	16EC4106	Embedded Systems (SCE-II)	83.09	82.76	82.44	81.63	81.95		82.37
6	16MB4131	Supply Chain management (OE-II)	84.17	85.83	84.17	84.17	85.83		84.83
7	16CE4136	Building Technology (OE-II)	87.60	87.93	87.44	86.78	87.11	86.61	87.37
8	16MB4141	Banking and Insurance (OE-III)	85.62	86.45	85.79	85.79	83.64		85.45
9	16CS4142	Database Systems (OE-III)	78.18	78.18	76.36	76.36	76.36		77.09
10	16EC41L1	Microwave Engineering & Digital Communications Lab	87.15	86.67	85.69	85.85	85.69		86.21
11	16EC41L2	Embedded Systems Lab (SEC-II Lab)	84.09	83.03	84.55	83.18			83.71

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**Consolidated Course End Survey analysis  
AY 2020-21 Second Semester**

S.No	Course Code	Course	CO1	CO2	CO3	CO4	CO5	Overall percentage of attainment of
<b>II B.Tech II Semester</b>								
1	18MB2201	Management Fundamentals	84.00	83.71	82.83	82.83	81.76	83.02
2	18EC2201	Analog and Digital Communications	84.76	82.92	83.03	82.92	82.38	83.20
3	18EC2202	Probability Theory and Stochastic Processes	83.31	82.29	81.91	80.76	81.27	81.91
4	18EC2203	Linear Integrated Circuits	86.67	85.87	84.67	84.67	85.20	85.41
5	18EC2204	Electromagnetic Theory and Transmission Lines	83.43	83.00	83.14	82.29	82.00	82.77
6	18EC22L1	Analog Communications Lab	83.86	83.00	83.00	82.57	81.86	82.86
7	18EC22L2	Linear Integrated Circuits Lab	86.67	85.87	86.51	85.08	86.51	86.13
8	18EC22L3	Simulation Lab	84.62	83.59	82.74	82.91	82.56	83.28
9	18MC2201	Indian Constitution	81.20	80.53	81.20	80.53	80.53	80.80
<b>III B.Tech II Semester</b>								
1	18CS3211	Computer Networks	81.35	80.00	79.70	79.70	80.15	80.18
2	18EC3201	Digital Signal Processing	81.77	81.77	81.42	81.42	80.53	81.38
3	18EC3202	VLSI Design (PE-II)	82.34	81.70	81.06	82.13	81.70	81.79
4	18EC3203	Cellular and Mobile Communications (PE-II)	81.45	81.09	80.36	81.09	80.36	80.87
5	18EC3204	Electronic Sensors (PE-II)	84.00	82.40	84.80	83.20	82.40	83.36
6	18EC3205	Satellite Communications (PE-III)	83.24	85.41	83.24	85.41	83.24	84.11
7	18CS3207	Neural Networks (PE-III)	84.44	83.33	84.44	82.22	83.33	83.56
8	18CE3221	Global Warming and Climate Changes (OE-I)	83.20	80.80	80.00	78.80	80.82	80.72
9	18EE3222	Industrial Safety and Hazards (OE-I)	82.35	80.59	81.18	78.82	81.21	80.83
10	18ME3223	Nano Materials and Technology (OE-I)	81.33	80.44	80.44	80.89	80.44	80.71
11	18CS3225	Java Programming (OE-I)	83.08	82.05	82.05	83.08	81.54	82.36
12	18CS32L3	Computer Networks Lab	83.57	83.57	81.43	82.14	83.57	82.86
13	18EC32L1	Digital Signal Processing Lab	88.33	85.00	87.50	84.17	85.00	86.00
14	18EC32L2	Project Oriented Lab	84.80	84.80	82.40	79.20	80.00	82.24
<b>IV B.Tech II Semester</b>								
1	16MB4201	Financial Analysis and Project Management	86.02	85.45	86.25	85.57	86.48	85.95
2	16EC4201	Wireless Communication Networks (PE-IV)	86.67	87.33	86.67	86.00	86.00	86.53
3	16EC4202	Radar Systems (PE-IV)	87.81	88.75	87.19	87.81	88.44	88.00
4	16CS4208	Big Data (PE-IV)	88.80	86.40	88.00	85.60	87.20	87.20
5	16MB4251	Entrepreneurship (OE-IV)	84.24	84.85	84.85	84.24	85.45	84.73
6	16EE4253	Renewable Energy Sources (OE-IV)	85.58	85.96	85.77	85.77	84.81	85.58

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